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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/688,867	10/17/2000	Masahiko Fujita	Q61035	2472

7590

01/24/2003

SUGHRUE, MION, ZINN, MACPEAK & SEAS
2100 Pennsylvania Avenue, N.W.
Washington, DC 20037

EXAMINER

NGUYEN, TRAN N

ART UNIT

PAPER NUMBER

2834

DATE MAILED: 01/24/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/688,867

Applicant(s)

FUJITA ET AL.

Examiner

Tran N. Nguyen

Art Unit

2834

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 27 November 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) 8-14 is/are withdrawn from consideration.
- 5) ☐ Claim(s) 2-6 and 15 is/are allowed.
- 6) ☐ Claim(s) 1, 7, 16-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____. 6) ☐ Other: _____

DETAILED ACTION

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. **Claims 1, 7 and 17-18** is rejected under 35 U.S.C. 102(b) as being fully anticipated by Japanese Patent JP48-9201 (hereafter JP'201).

JP 48-9201 discloses an iron core for a rotating machine comprising laminated magnetic a plurality of substantially hexahedral laminate strips (4), each single strip being an entire layer of a substantially hexahedral laminate, and the strips being stack on top of each other, the laminated strips curved to formed a cylindrical-shaped iron core; the strip having a proximal portion with a plurality of teeth projecting radially therefrom and slots for accommodating a winding, wherein the outside surface, which is opposite a plurality of teeth, is continuously uniform surface. JP'201, figs 1-2 show the magnetic continuously straight strips prior to forming the magnetic strips into a cylindrical shape. Inherently, in order to form the cylindrical shape of the core these straight strips, including both end portions thereof, must be curved at a predetermined curvature to form a predetermined cylindrical proximal portion; the ends of the core proximal are inherently curved and joined at welding point to form the cylindrical core (figs 1-4).

Regarding claim 17 recitation: *only both end portions of the hexahedral laminate are curved so that the cylindrical core proximal portion obtains the predetermined curvature.*

And, claim 18 recitation: *both end portions of the hexahedral laminate are joined and curved so that, prior to forming the entire substantially hexahedral laminate into a cylindrical shape, the cylindrical core proximal portions obtains the predetermined curvature.*

When a long and straight continuous laminate of magnetic strips having both ends being curved and joined, as a physical effect of the bending forces at these ends, inherently the portion between these two ends of the long straight magnetic strip laminate will inevitably curved into a curvature. One cannot curve and join two ends of long straight metallic strip, or laminated strips, without the effect of the bending force(s) to mechanically curve the strip or laminated strips into certain degrees of curvature.

2. **Claim 16** is rejected under 35 U.S.C. 102(b) as being fully anticipated by Adachi et al (US 6317962)

Adachi discloses an iron core comprising: laminated magnetic plate strips, wherein the strip is a substantially hexahedral laminate strip (51) curved to formed a cylindrical-shaped iron core; the strip having a proximal portion with a plurality of teeth projecting radially therefrom and slots for accommodating a winding, wherein the outside surface having indentations located opposite a plurality of teeth, both ends of the core proximal are curved and joined at welding point (51b) (fig 1).

Allowable Subject Matter

3. **Claim 2-5, 6 and 15** are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Communication

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tran N Nguyen whose telephone number is (703) 308-1639. The examiner can normally be reached on M-F 6:00AM-2:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on (703)-308-1371. The fax phone numbers for the

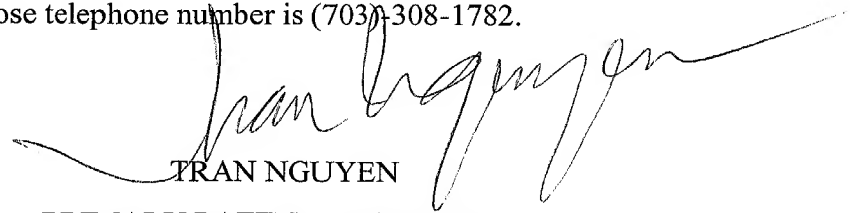
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organization where this application or proceeding is assigned are (703)305-3431 for regular communications and (703)-395-3432 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)-308-1782.

A handwritten signature in black ink, appearing to read "Tran Nguyen", is written over the printed name.

TRAN NGUYEN

PRIMARY PATENT EXAMINER

TC-2800